

ABSTRACT

Pressure sensor with Bragg grating.

This sensor is particularly applicable to
5 chemical industry and for example comprises an optical
fibre (10) and a Bragg grating (14) formed in a portion
(14) of the fibre, submitted to pressure (P), and means
(20) of lateral support of this portion. This portion
is submitted to a compression prestress with a small
10 value compared with the measurement range of the
sensor.

Figure 1A.